

Chemical structure of the poly(amide-imine) repeat unit. The structure shows a repeating unit with a central amide linkage between two imine groups. The units are numbered 1 through 9. The structure is: Cy-1-C(=O)-2-N-3-G1-4-N-5-C(=O)-6-Cy-7-N-8-C(=O)-9. The carbonyl groups are numbered 12 and 11, and the imine nitrogen is numbered 10.

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REP G1=(1-2) CH
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NSPEC      IS R          AT      8
NSPEC      IS R          AT      9
DEFAULT MLEVEL IS ATOM
GGCAT      IS MCY AT      7
DEFAULT ECLEVEL IS LIMITED

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GRAPH ATTRIBUTES:  
RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 12

STEREO ATTRIBUTES: NONE

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FULL SEARCH INITIATED 10:39:12 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 121437 TO ITERATE
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100.0% PROCESSED    121437 ITERATIONS                118 ANSWERS
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.73

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FILE LAST UPDATED: 14 Nov 2005 (20051114/ED)

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=> s 16

L7 5 L6

=> s 17 not 15

L8 4 L7 NOT L5

=> d bib hitstr 4

L8 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1974:471055 CAPLUS

DN 81:71055

TI Color photographic sensitive materials

IN Yanagi, Hajime; Ito, Susumu

PA Oriental Photo Industrial Co., Ltd.

SO Jpn. Tokkyo Koho, 8 pp.

CODEN: JAXXAD

DT Patent

LA Japanese

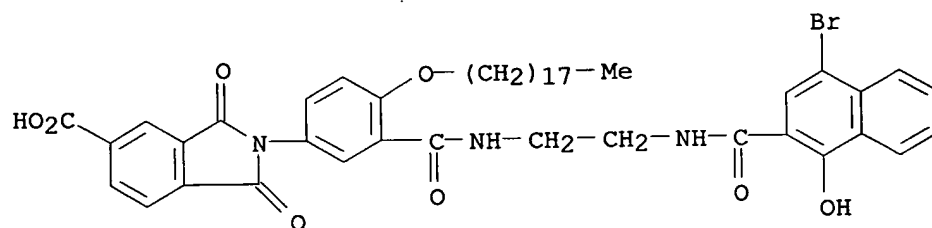
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 48040423	B4	19731130	JP 1969-3943	19690120
PRAI	JP 1969-3943		19690120		
IT	53248-73-0				

RL: TEM (Technical or engineered material use); USES (Uses)  
(photog. cyan coupler)

RN 53248-73-0 CAPLUS

CN 1H-Isoindole-5-carboxylic acid, 2-[3-[[[2-[[[4-bromo-1-hydroxy-2-naphthalenyl)carbonyl]amino]ethyl]amino]carbonyl]-4-(octadecyloxy)phenyl]-2,3-dihydro-1,3-dioxo- (9CI) (CA INDEX NAME)



=> d bib hit 1-3

L8 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2003:767774 CAPLUS

DN 139:286334

TI Amino acid derivatives and their use as integrin  $\alpha 4$  (adhesion molecule) inhibitors and in therapeutic agents for inflammatory diseases

IN Ishigaki, Takeshi; Taniguchi, Koji; Ito, Takayoshi; Ono, Hiroshi; Kaino, Mie; Meguro, Hiroyuki

PA Toray Industries, Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 247 pp.

CODEN: JKXXAF

DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003277340	A2	20031002	JP 2002-81956	20020322
PRAI	JP 2002-81956		20020322		
OS	MARPAT 139:286334				
IT	607395-68-6P	607395-69-7P	607395-70-0P	607395-71-1P	607395-72-2P
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RL: CPN (Combinatorial preparation); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation); USES (Uses)

(preparation of amino acid derivs. as integrin  $\alpha 4$  inhibitors for treatment of inflammatory diseases)

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RL: CPN (Combinatorial preparation); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation); USES (Uses)

(preparation of amino acid derivs. as integrin  $\alpha 4$  inhibitors for treatment of inflammatory diseases)

IT 607395-44-8P 607395-46-0P **607395-48-2P** **607395-50-6P**

**607395-52-8P** **607395-54-0P** **607395-56-2P**

607395-58-4P 607395-60-8P 607395-61-9P 607395-63-1P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of amino acid derivs. as integrin  $\alpha 4$  inhibitors for treatment of inflammatory diseases)

IT 264274-57-9P 607395-45-9P 607395-47-1P **607395-49-3P**

**607395-51-7P** **607395-53-9P** **607395-55-1P**

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607395-65-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of amino acid derivs. as integrin  $\alpha 4$  inhibitors for treatment of inflammatory diseases)

L8 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:240774 CAPLUS

DN 136:279698

TI Preparation of 2-amino-3-[(triazaspiroalkanecarbonyl)amino]propanoic acid derivatives as adhesion molecule inhibitors

IN Takahashi, Toshiya; Ishigaki, Takeshi; Funahashi, Miyuki; Taniguchi, Koji; Kaneko, Masayuki; Kainoh, Mie; Meguro, Hiroyuki

PA Toray Industries, Inc., Japan

SO PCT Int. Appl., 103 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002024697	A1	20020328	WO 2001-JP8290	20010925
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,				

PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,  
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 WO 2001-JP8290 W 20010925

OS MARPAT 136:279698

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 406478-34-0P 406478-35-1P 406478-36-2P 406478-37-3P 406478-38-4P  
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 406478-50-0P 406478-51-1P 406478-52-2P 406478-53-3P 406478-54-4P  
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 406478-81-7P 406478-82-8P 406478-83-9P 406478-84-0P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(preparation of amino[(triazaspiroalkanecarbonyl)amino]propanoic acid  
 derivs. as adhesion mol. inhibitors for treatment of inflammatory  
 diseases)

L8 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1981:84573 CAPLUS

DN 94:84573

TI Poly(amido imides) containing a bicyclo[2.2.2]octene ring in their main  
 chains

AU Kobayashi, Kesayoshi; Suzuki, Akira; Shimizu, Masamoto; Shirai, Hirofusa;  
 Hojo, Nobumasa

CS Fac. Text. Sci. Technol., Shinshu Univ., Ueda, 386, Japan

SO Nippon Kagaku Kaishi (1980), (12), 1929-32

CODEN: NKAKB8; ISSN: 0369-4577

DT Journal

LA Japanese

IT 76585-98-3P 76585-99-4P 76586-00-0P 76586-01-1P  
 76586-02-2P 76586-03-3P 76586-04-4P 76586-05-5P 76586-06-6P  
 76586-07-7P 76586-08-8P 76586-09-9P 76586-10-2P 76586-11-3P  
 76586-12-4P 76601-06-4P 76601-07-5P 76601-08-6P 76601-09-7P  
 76601-10-0P 76601-11-1P 76601-12-2P 76601-13-3P 76601-14-4P  
 76601-15-5P 76601-16-6P 76601-17-7P 76601-18-8P 76601-19-9P  
 76613-90-6P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and thermal properties of)

=> d hitstr 3

L8 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

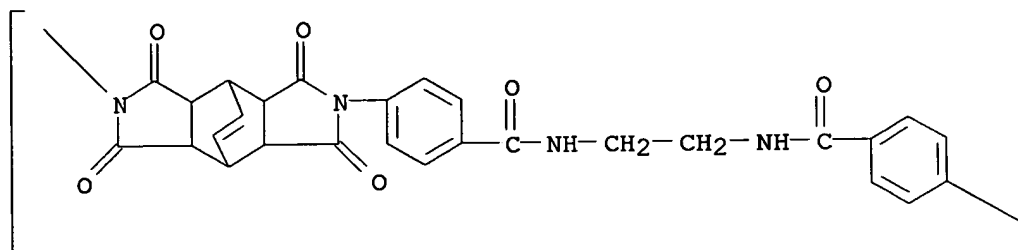
IT 76585-98-3P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(preparation and thermal properties of)

RN 76585-98-3 CAPLUS

CN Poly[(3a,4,4a,5,7,7a,8,8a-octahydro-1,3,5,7-tetraoxo-4,8-ethenobenzo[1,2-c:4,5-c']dipyrrole-2,6(1H,3H)-diyl)-1,4-phenylenecarbonylimino-1,2-ethanediyliminocarbonyl-1,4-phenylene] (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

[  
n

=> d hitstr 2

L8 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

IT 406478-62-4P 406478-63-5P 406478-64-6P

406478-65-7P 406478-66-8P 406478-67-9P

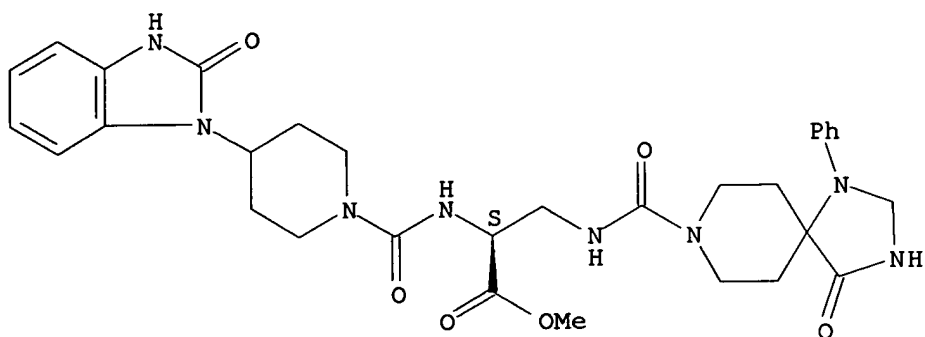
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
(Uses)

(preparation of amino[(triazaspiroalkanecarbonyl)amino]propanoic acid  
derivs. as adhesion mol. inhibitors for treatment of inflammatory  
diseases)

RN 406478-62-4 CAPLUS

CN L-Alanine, N-[[4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-  
piperidiny]carbonyl]-3-[[4-oxo-1-phenyl-1,3,8-triazaspiro[4.5]dec-8-  
yl)carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

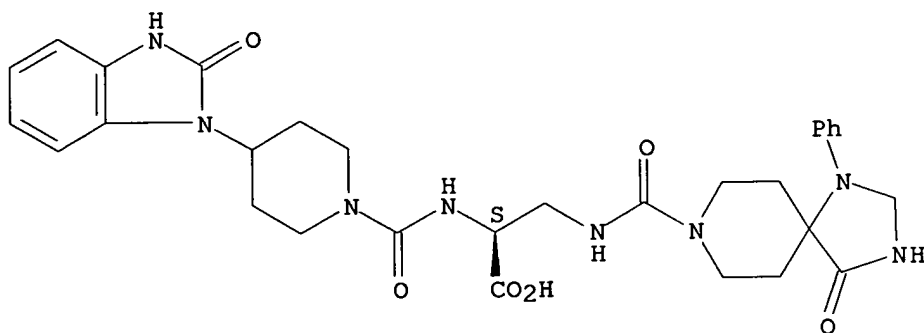
Absolute stereochemistry.



RN 406478-63-5 CAPLUS

CN L-Alanine, N-[[4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-piperidinyl]carbonyl]-3-[[[4-oxo-1-phenyl-1,3,8-triazaspiro[4.5]dec-8-yl]carbonyl]amino]- (9CI) (CA INDEX NAME)

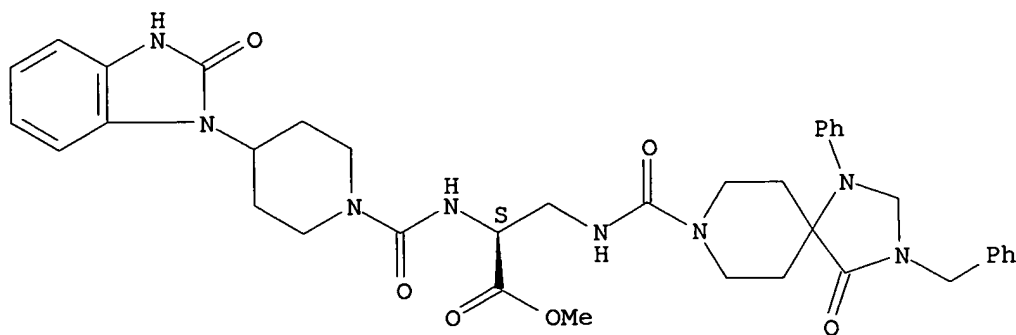
Absolute stereochemistry.



RN 406478-64-6 CAPLUS

CN L-Alanine, N-[[4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-piperidinyl]carbonyl]-3-[[[4-oxo-1-phenyl-3-(phenylmethyl)-1,3,8-triazaspiro[4.5]dec-8-yl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

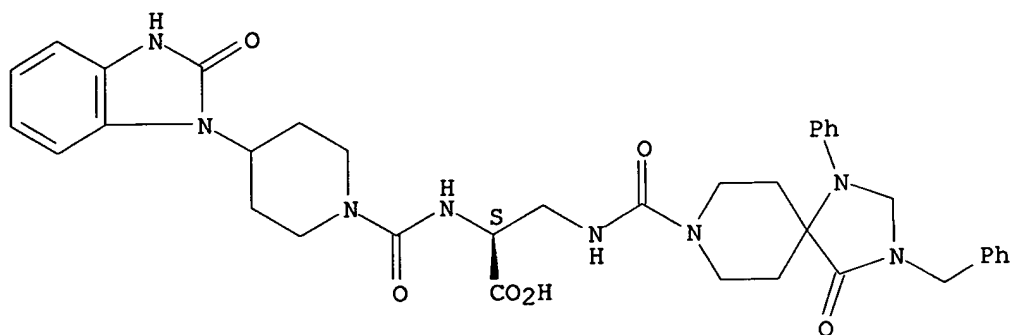


RN 406478-65-7 CAPLUS

CN L-Alanine, N-[[4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-piperidinyl]carbonyl]-3-[[[4-oxo-1-phenyl-3-(phenylmethyl)-1,3,8-triazaspiro[4.5]dec-8-yl]carbonyl]amino]- (9CI) (CA INDEX NAME)



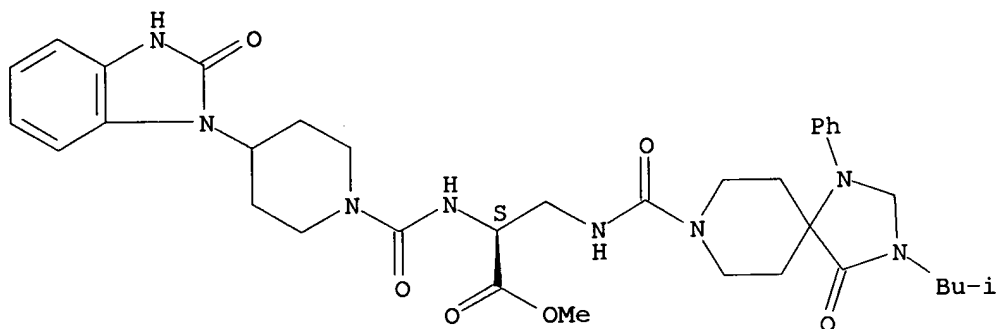
Absolute stereochemistry.



RN 406478-66-8 CAPLUS

CN L-Alanine, N-[[4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-piperidiny]carbonyl]-3-[[[3-(2-methylpropyl)-4-oxo-1-phenyl-1,3,8-triazaspiro[4.5]dec-8-yl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

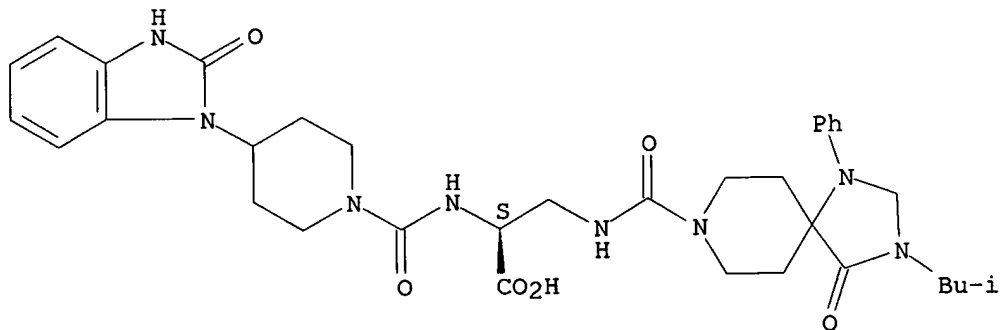
Absolute stereochemistry.



RN 406478-67-9 CAPLUS

CN L-Alanine, N-[[4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-piperidiny]carbonyl]-3-[[[3-(2-methylpropyl)-4-oxo-1-phenyl-1,3,8-triazaspiro[4.5]dec-8-yl]carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



=> d hitstr 1

L8 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

IT 607397-93-3P 607398-03-8P 607398-12-9P  
607398-21-0P 607398-30-1P 607398-39-0P  
607398-49-2P 607401-58-1P 607401-80-9P  
607401-94-5P

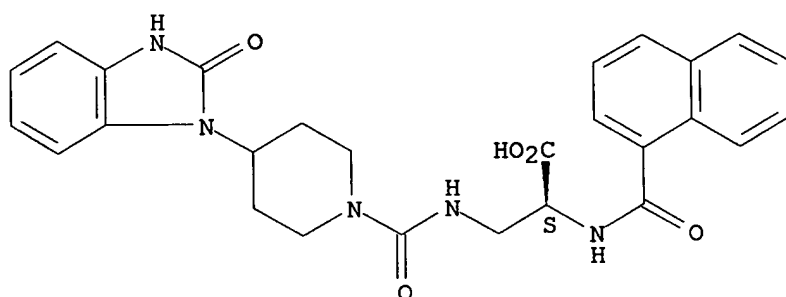
RL: CPN (Combinatorial preparation); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation); USES (Uses)

(preparation of amino acid derivs. as integrin  $\alpha 4$  inhibitors for treatment of inflammatory diseases)

RN 607397-93-3 CAPLUS

CN L-Alanine, 3-[[[4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-piperidinyl]carbonyl]amino]-N-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)

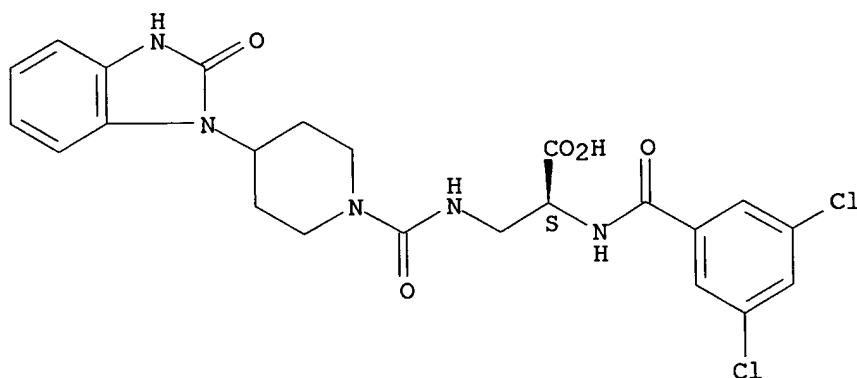
Absolute stereochemistry.



RN 607398-03-8 CAPLUS

CN L-Alanine, N-(3,5-dichlorobenzoyl)-3-[[[4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-piperidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)

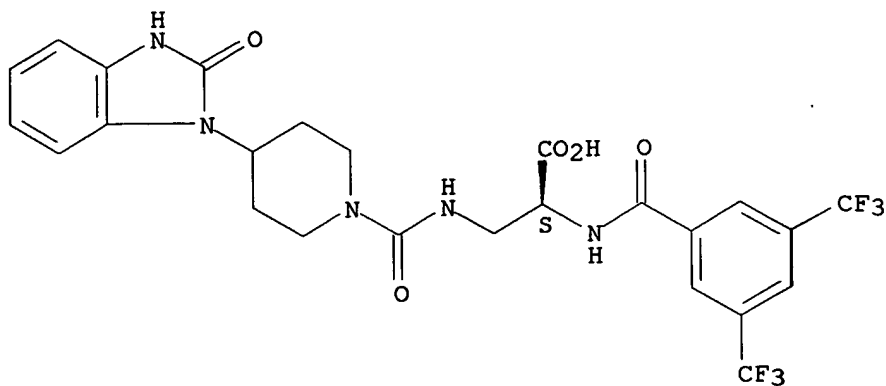
Absolute stereochemistry.



RN 607398-12-9 CAPLUS

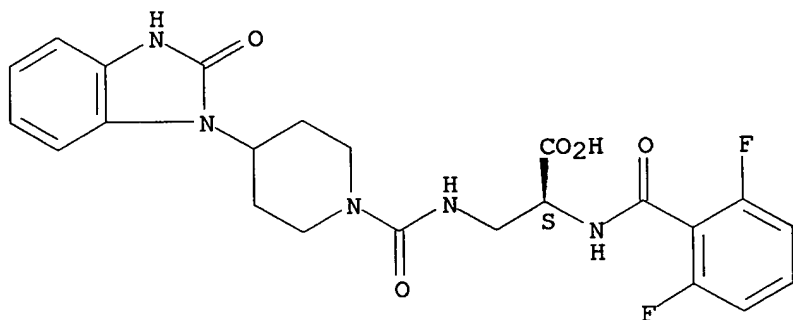
CN L-Alanine, N-[3,5-bis(trifluoromethyl)benzoyl]-3-[[[4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-piperidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



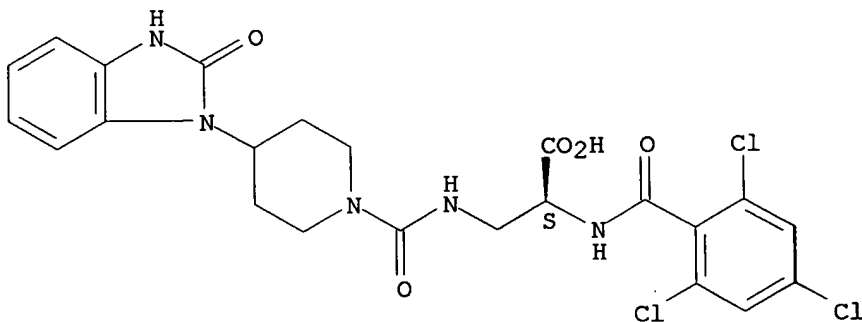
RN 607398-21-0 CAPLUS  
 CN L-Alanine, N-(2,6-difluorobenzoyl)-3-[[[4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-piperidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



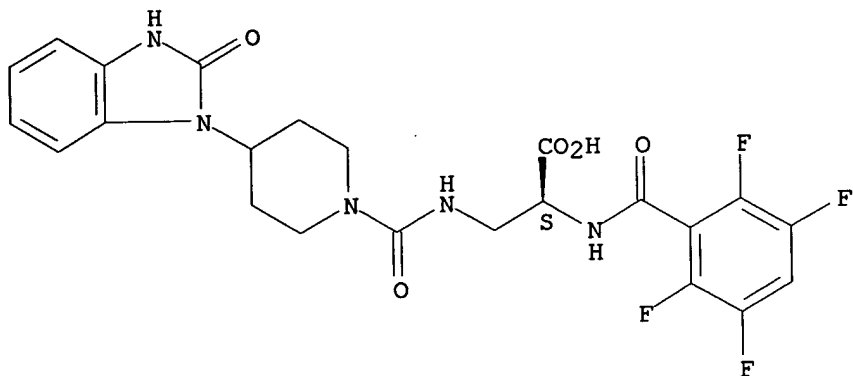
RN 607398-30-1 CAPLUS  
 CN L-Alanine, 3-[[[4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-piperidinyl]carbonyl]amino]-N-(2,4,6-trichlorobenzoyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 607398-39-0 CAPLUS  
 CN L-Alanine, 3-[[[4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-piperidinyl]carbonyl]amino]-N-(2,3,5,6-tetrafluorobenzoyl)- (9CI) (CA INDEX NAME)

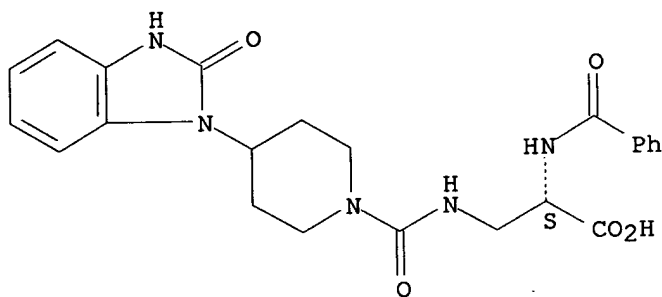
Absolute stereochemistry.



RN 607398-49-2 CAPLUS

CN L-Alanine, N-benzoyl-3-[[[4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-piperidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)

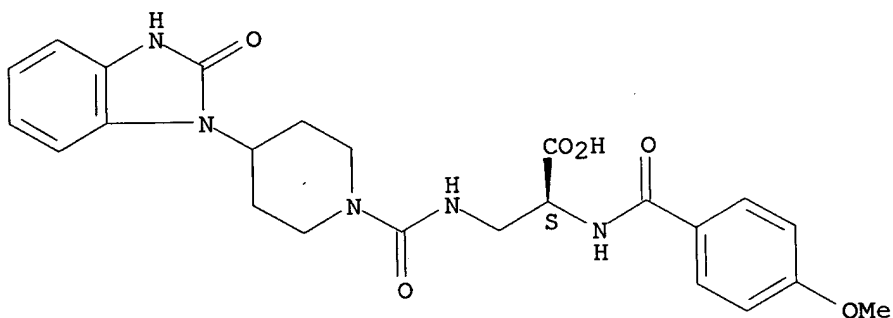
Absolute stereochemistry.



RN 607401-58-1 CAPLUS

CN L-Alanine, 3-[[[4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-piperidinyl]carbonyl]amino]-N-(4-methoxybenzoyl)- (9CI) (CA INDEX NAME)

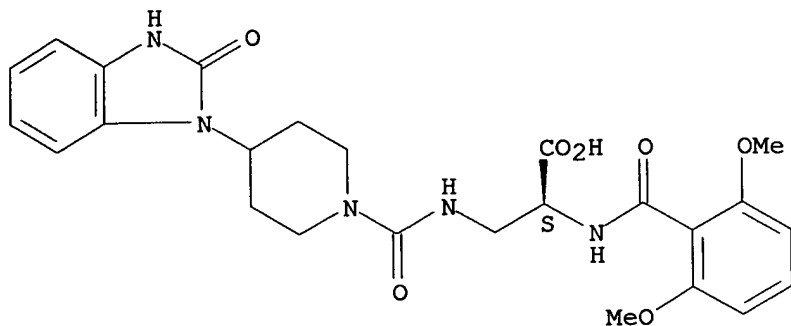
Absolute stereochemistry.



RN 607401-80-9 CAPLUS

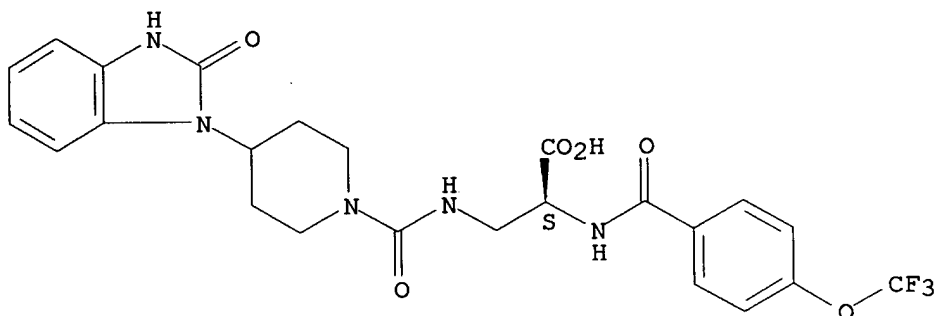
CN L-Alanine, 3-[[[4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-piperidinyl]carbonyl]amino]-N-(2,6-dimethoxybenzoyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



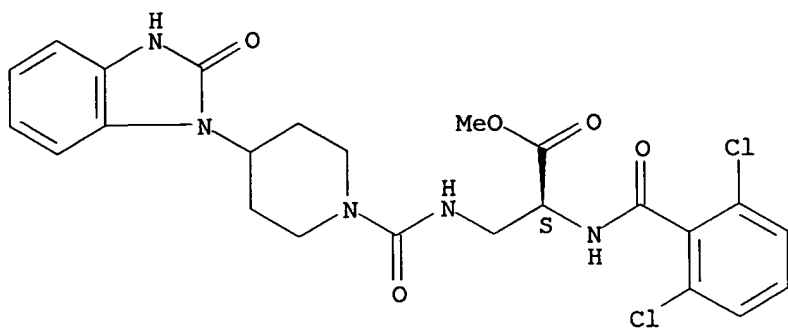
RN 607401-94-5 CAPLUS  
 CN L-Alanine, 3-[[[4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-piperidinyl]carbonyl]amino]-N-[4-(trifluoromethoxy)benzoyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 607395-48-2P 607395-50-6P 607395-52-8P  
 607395-54-0P 607395-56-2P  
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (preparation of amino acid derivs. as integrin  $\alpha$ 4 inhibitors for treatment of inflammatory diseases)  
 RN 607395-48-2 CAPLUS  
 CN L-Alanine, N-(2,6-dichlorobenzoyl)-3-[[[4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-piperidinyl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

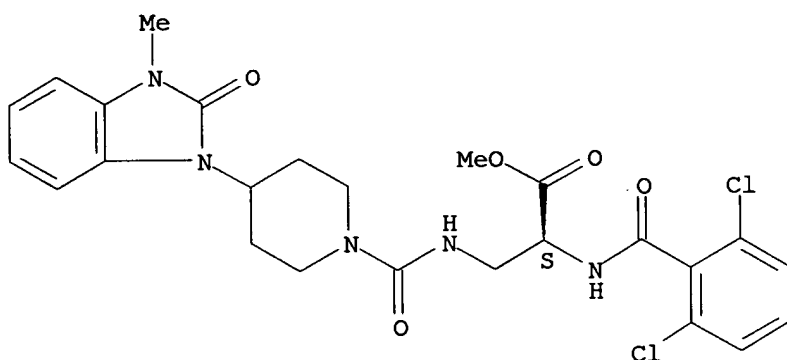
Absolute stereochemistry.



RN 607395-50-6 CAPLUS

CN L-Alanine, N-(2,6-dichlorobenzoyl)-3-[[[4-(2,3-dihydro-3-methyl-2-oxo-1H-benzimidazol-1-yl)-1-piperidinyl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

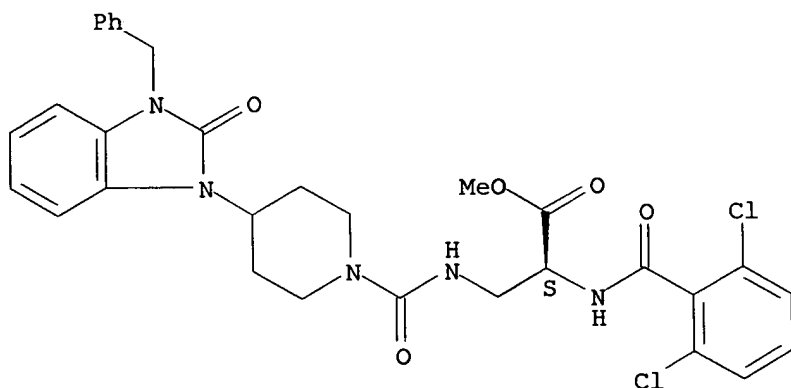
Absolute stereochemistry.



RN 607395-52-8 CAPLUS

CN L-Alanine, N-(2,6-dichlorobenzoyl)-3-[[[4-[2,3-dihydro-2-oxo-3-(phenylmethyl)-1H-benzimidazol-1-yl]-1-piperidinyl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

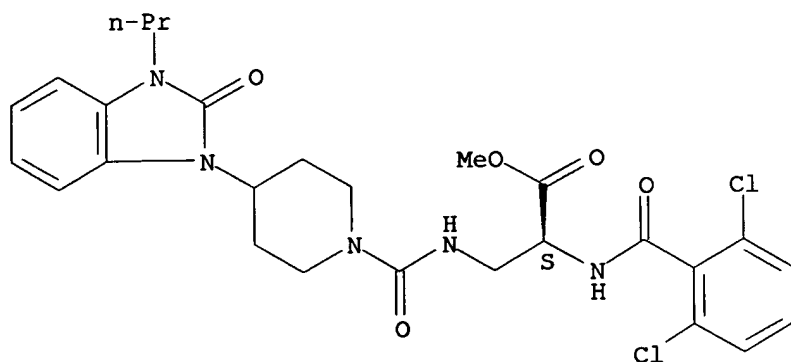


RN 607395-54-0 CAPLUS

CN L-Alanine, N-(2,6-dichlorobenzoyl)-3-[[[4-(2,3-dihydro-2-oxo-3-propyl-1H-benzimidazol-1-yl)-1-piperidinyl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

INDEX NAME)

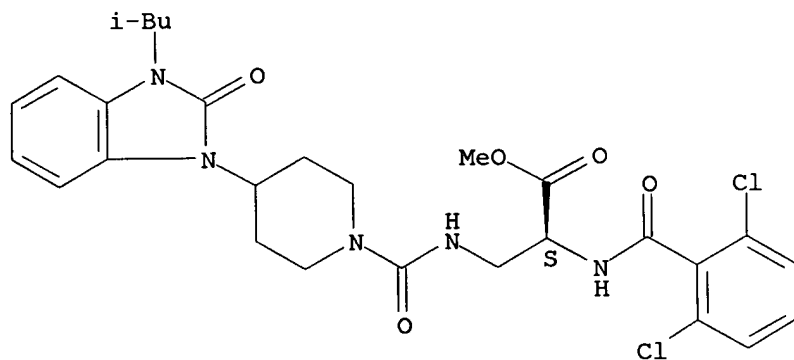
Absolute stereochemistry.



RN 607395-56-2 CAPLUS

CN L-Alanine, N-(2,6-dichlorobenzoyl)-3-[[[4-[2,3-dihydro-3-(2-methylpropyl)-2-oxo-1H-benzimidazol-1-yl]-1-piperidinyl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 607395-49-3P 607395-51-7P 607395-53-9P  
607395-55-1P 607395-57-3P

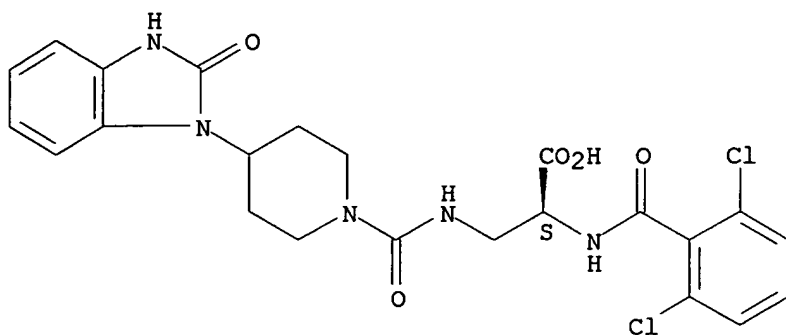
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of amino acid derivs. as integrin  $\alpha 4$  inhibitors for treatment of inflammatory diseases)

RN 607395-49-3 CAPLUS

CN L-Alanine, N-(2,6-dichlorobenzoyl)-3-[[[4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-piperidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)

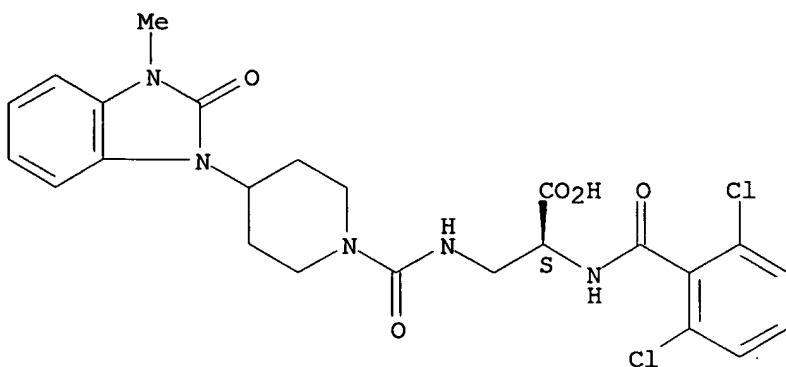
Absolute stereochemistry.



RN 607395-51-7 CAPLUS

CN L-Alanine, N-(2,6-dichlorobenzoyl)-3-[[[4-(2,3-dihydro-3-methyl-2-oxo-1H-benzimidazol-1-yl)-1-piperidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)

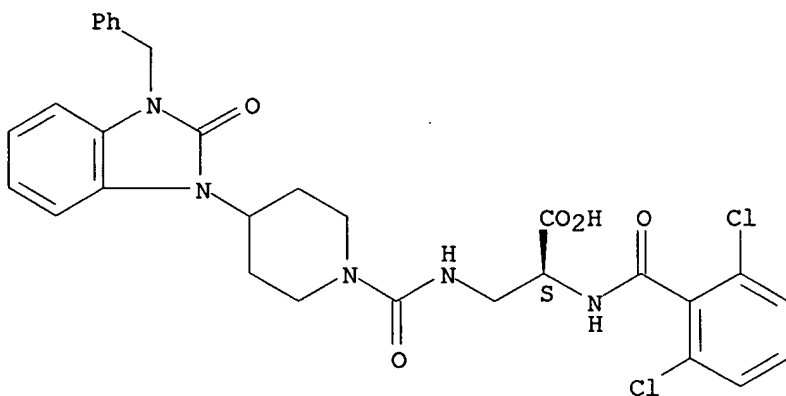
Absolute stereochemistry.



RN 607395-53-9 CAPLUS

CN L-Alanine, N-(2,6-dichlorobenzoyl)-3-[[[4-[2,3-dihydro-2-oxo-3-(phenylmethyl)-1H-benzimidazol-1-yl]-1-piperidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

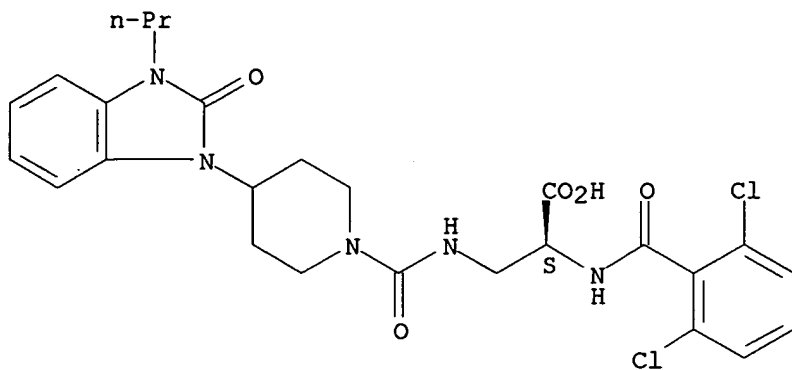


RN 607395-55-1 CAPLUS

CN L-Alanine, N-(2,6-dichlorobenzoyl)-3-[[[4-(2,3-dihydro-2-oxo-3-propyl-1H-benzimidazol-1-yl)-1-piperidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



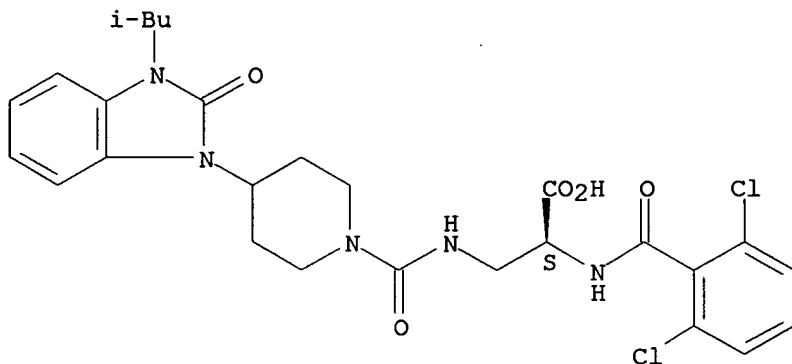
Absolute stereochemistry.



RN 607395-57-3 CAPLUS

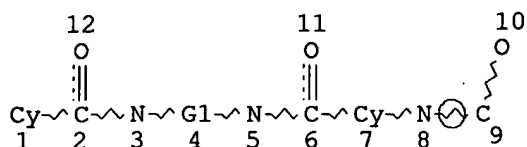
CN L-Alanine, N-(2,6-dichlorobenzoyl)-3-[[[4-[2,3-dihydro-3-(2-methylpropyl)-2-oxo-1H-benzimidazol-1-yl]-1-piperidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



=>

<-----User Break----->



REP G1=(1-2) CH  
 ENTER (DIS), GRA, NOD, BON OR ?:end  
 L3 STRUCTURE CREATED

=> s 13

SAMPLE SEARCH INITIATED 10:36:22 FILE 'REGISTRY'  
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32.7% PROCESSED 2000 ITERATIONS  
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
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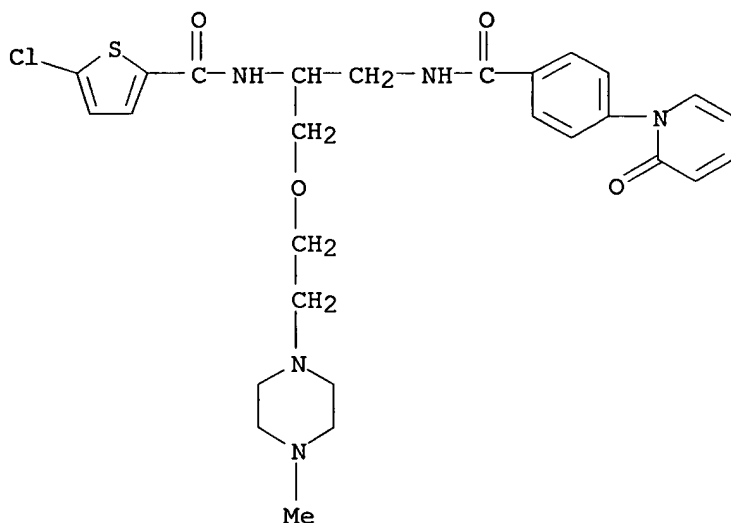
1 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
 BATCH \*\*COMPLETE\*\*  
 PROJECTED ITERATIONS: 117475 TO 126845  
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L4 1 SEA SSS SAM L3

=> d

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN  
 RN 678177-12-3 REGISTRY  
 ED Entered STN: 30 Apr 2004  
 CN 2-Thiophenecarboxamide, 5-chloro-N-[1-[[2-(4-methyl-1-piperazinyl)ethoxy]methyl]-2-[[4-(2-oxo-1(2H)-pyridinyl)benzoyl]amino]ethyl]- (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C27 H32 Cl N5 O4 S  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

3.56

3.77

FILE 'CAPLUS' ENTERED AT 10:36:34 ON 15 NOV 2005

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L5 1 L4

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L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:308415 CAPLUS

DN 140:321240

TI Preparation of lactam-containing diaminoalkanes,  $\beta$ -amino acids,  $\alpha$ -amino acids and derivatives thereof as factor Xa inhibitors

IN Qiao, Jennifer X.; Han, Wei

PA Bristol-Myers Squibb Company, USA

SO PCT Int. Appl., 172 pp.

CODEN: PIXXD2

DT Patent

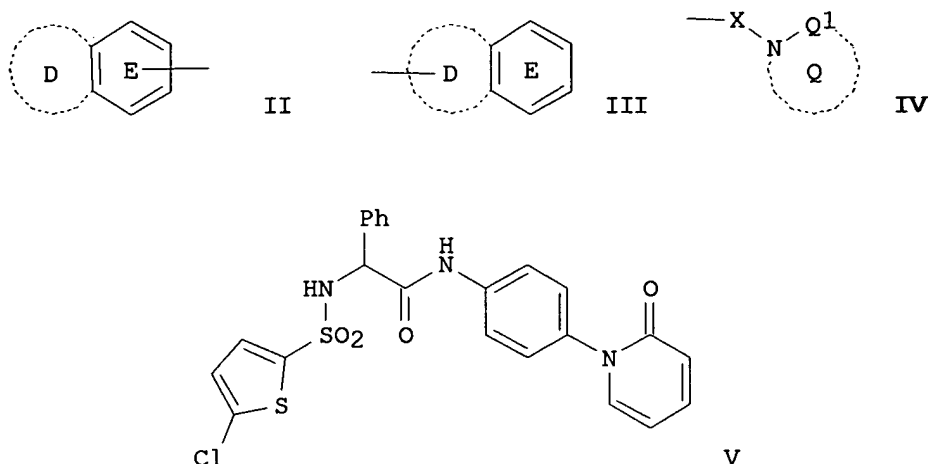
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	WO 2004031145	A3	20040701		

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TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
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 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,  
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,  
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
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 EP 1558606 A2 20050803 EP 2003-773077 20031001  
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 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK  
 PRAI US 2002-415366P P 20021002  
 US 2002-417208P P 20021009  
 WO 2003-US31079 W 20031001  
 OS MARPAT 140:321240  
 GI



AB The title compds. PMM1 [I; one of P and M1 = G and the other -AB; G = II, III (wherein ring D, including the two carbon atoms of ring E to which it is attached, is (un)substituted 5-6 membered ring consisting of carbon atoms and 0-3 heteroatoms selected from N, O, S(O)0-2; ring D may contain 0-3 ring double bonds; ring E = (un)substituted Ph, pyridyl, pyrimidinyl, etc.; alternatively, ring D is absent); M = (un)substituted 3-8 membered linear chain consisting of carbon atoms, carbonyl groups, thiocarbonyl, heteroatoms, and there are 0-2 double bonds and 0-1 triple bond; A = (un)substituted carbocycle, 5-12 membered heterocycle; B = IV (wherein Q1 = CO, SO2; ring Q = (un)substituted 4-8 membered monocyclic or bicyclic ring optionally containing optionally heteroatoms, and optionally fused, etc.; X = absent, CO, SO, SO2, etc.)], useful as inhibitors of trypsin-like serine proteases, specifically factor Xa for treating thromboembolic disorder, were prepared E.g., a 3-step synthesis of V, starting from 1-(4-aminophenyl)-1H-pyridin-2-one and Boc-DL-PHG-OH, was given. The number of compds. I were found to exhibit Ki's of  $\leq 10 \mu\text{M}$  against human factor Xa. The pharmaceutical composition comprising the compound I is claimed.

IT 678177-12-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of lactam-containing diaminoalkanes,  $\beta$ -amino acids,  $\alpha$ -amino acids and derivs. thereof as factor Xa inhibitors for treating thromboembolic disorder)

RN 678177-12-3 CAPLUS

CN 2-Thiophenecarboxamide, 5-chloro-N-[1-[[2-(4-methyl-1-piperazinyl)ethoxy)methyl]-2-[[4-(2-oxo-1(2H)-pyridinyl)benzoyl]amino]ethyl]- (9CI) (CA INDEX NAME)

